

SEQUENCE LISTING

<110> Sukhatme, Vikas P.

<120> Anti-Angiogenic Peptides and Methods of
Use Thereof

<130> 1440.1023-011

<150> PCT/US98/26057

<151> 1998-12-08

<150> 60/108,536

<151> 1998-11-16

<150> 60/082,663

<151> 1998-04-22

<150> 60/067,888

<151> 1997-12-08

<160> 23

<170> FastSEQ for Windows Version 3.0

<210> 1

<211> 555

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(525)

<223> protein EM1

<221> misc_feature

<222> (1)...(501)

<223> protein EM2

<400> 1

```

catactcatc aggactttca gccagtgtc cacctgggtg cactgaacac cccctgtct 60
ggaggcatgc gtggtatccg tggagcagat ttccagtgt tccagcaagc ccgagccgtg 120
gggctgtcgg gcaccttccg ggctttcctg tctctagga tgcaggatct ctatagcatc 180
gtgcgccgtg ctgaccgggg gtctgtgccc atcgtcaacc tgaaggacga ggtgctatct 240
cccagctggg actccctgtt ttctggctcc caggggtcaac tgcaaccggg ggcccgcatc 300
ttttcttttg acggcagaga tgtcctgaga caccagcct ggccgcagaa gagcgtatgg 360
cacggctcgg accccagtgg gcggaggctg atggagagtt actgtgagac atggcgaact 420
gaaactactg gggctacagg tcaggcctcc tcctgtgtg caggcaggct cctggaacag 480
aaagctgcga gctgccaaa cagctacatc gtcctgtgca ttgagaatag cttcatgacc 540
tctttctcca aatag                                     555

```

<210> 2

<211> 184

<212> PRT

<213> Mus musculus

<400> 2

```

His Thr His Gln Asp Phe Gln Pro Val Leu His Leu Val Ala Leu Asn
 1      5      10      15
Thr Pro Leu Ser Gly Gly Met Arg Gly Ile Arg Gly Ala Asp Phe Gln
      20      25      30
Cys Phe Gln Gln Ala Arg Ala Val Gly Leu Ser Gly Thr Phe Arg Ala
      35      40      45
Phe Leu Ser Ser Arg Leu Gln Asp Leu Tyr Ser Ile Val Arg Arg Ala
      50      55      60
Asp Arg Gly Ser Val Pro Ile Val Asn Leu Lys Asp Glu Val Leu Ser
65      70      75      80
Pro Ser Trp Asp Ser Leu Phe Ser Gly Ser Gln Gly Gln Leu Gln Pro
      85      90      95
Gly Ala Arg Ile Phe Ser Phe Asp Gly Arg Asp Val Leu Arg His Pro
      100      105      110
Ala Trp Pro Gln Lys Ser Val Trp His Gly Ser Asp Pro Ser Gly Arg
      115      120      125
Arg Leu Met Glu Ser Tyr Cys Glu Thr Trp Arg Thr Glu Thr Thr Gly
      130      135      140
Ala Thr Gly Gln Ala Ser Ser Leu Leu Ser Gly Arg Leu Leu Glu Gln
145      150      155      160
Lys Ala Ala Ser Cys His Asn Ser Tyr Ile Val Leu Cys Ile Glu Asn
      165      170      175
Ser Phe Met Thr Ser Phe Ser Lys
      180

```

<210> 3

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Oligonucleotide

<400> 3

ggcatatgca tactcatcag gacttt

26

<210> 4

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Oligonucleotide

<400> 4

aactcgagct atttggagaa agaggt

26

<210> 5

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Leader peptide on protein produced by prokaryotic expression system pET17b, mouse endostatin begins immediately after.

<400> 5

Met Gly His His His His His His His His His His Ser Ser Gly His
 1 5 10 15
 Ile Asp Asp Asp Asp Lys His Met
 20

<210> 6

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Oligonucleotide

<400> 6

aagcggccgc ctatttgag aaagaggt

28

<210> 7

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Leader peptide on protein produced by prokaryotic expression system pET28a, mouse endostatin begins immediately after.

<400> 7

Met Gly Ser Ser His His His His His His Ser Ser Gly Leu Val Pro
 1 5 10 15
 Arg Gly Ser His Met
 20

<210> 8

<211> 33

<212> DNA

<213> Artificial Sequence

<220>

<223> Oligonucleotide

<400> 8

ttccatatgc atactcatca ggactttcag cca

33

<210> 9

<211> 35

<212> DNA

<213> Artificial Sequence

<220>
 <223> Oligonucleotide

 <400> 9
 ttagcggccg cctactcaat gcacaggacg atgta 35

 <210> 10
 <211> 38
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Oligonucleotide

 <400> 10
 ttagcggccg cctagttgtg gcagctcgca gctttctg 38

 <210> 11
 <211> 26
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Oligonucleotide

 <400> 11
 gggaattcca tactcatcag gacttt 26

 <210> 12
 <211> 32
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Oligonucleotide

 <400> 12
 aagaattcca tcatcatcat catcacagca gc 32

 <210> 13
 <211> 26
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Leader peptide on protein produced by eukaryotic
 yeast expression system pPICZaA, mouse endostatin
 protein begins immediately after.

 <400> 13
 Glu Phe Met Gly His His His His His His His His His Ser Ser
 1 5 10 15
 Gly His Ile Asp Asp Asp Asp Lys His Met
 20 25

<210> 14
 <211> 44
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Oligonucleotide

<400> 14
 tttgaattcg cccacagcca ccgcgacttc cagccggtgc tcca 44

<210> 15
 <211> 44
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Oligonucleotide

<400> 15
 aaaagcggcc gcctacttgg aggcagtcac gaagctgttc tcaa 44

<210> 16
 <211> 48
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Oligonucleotide

<400> 16
 ttttttgaat tcatttcaag tgccaattat gagaagcctg ctctgcattt g 51

<210> 17
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Oligonucleotide

<400> 17
 aagaatgcgg ccgcttactt cctagcgtct gtcataaac tgttttcgat 50

<210> 18
 <211> 24
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Oligonucleotide

<400> 18
 aattccatca ccatcacat cacg 24

24

42

47

<220>
<223> Leader peptide on protein produced by eukaryotic yeast expression system pPICZaA, apomigren protein begins immediately after.

```

<400> 23
Glu Phe Met Gly Ser Ser His His His His His His Ser Ser Gly Leu
 1          5          10          15
Val Pro Arg Gly Ser His Met
          20

```